



Mr. Sweazy presented information on the four water supply planning areas – Kissimmee Basin, Upper East Coast, Lower West Coast and Lower East Coast. The plan's components include water demand assessment; evaluation of demands vs. resources; issue identification; water resource options; recommendations and funding strategies.

Information on the previous planning process included 17 meetings over an 18 month period. The plan was completed in April 2000. The three basic issues were:

1. Central Florida – Large increase in public water supply use;
2. Lake Istokpoga Region – surface water moratorium;
3. Impacts outside the SFWMD – Lakes and springs & wetlands in other water management districts.

It was estimated in the last planning effort that there will be a 60% increase in water use in the area from 1995 to 2020. Information on the performance measures and an analysis of potential problems were discussed.

The general conclusions in the current water supply plan were shown to be:

- An estimated 10-15 feet of water level change in Floridan system;
- Identified potential harm to wetland systems, water quality, spring discharges and formation of sinkholes;
- Identified available ground water remaining for use in the southern portion of the basin.
- Sufficient surface water is available in the Istokpoga Basin pending implementation of an appropriate operational plan.

The options were listed as: Water Conservation; Reclaimed Water; Limited Use of Floridan Groundwater; Surface water including lakes and reservoirs; Stormwater and stormwater recharge; Saline/brackish water use; Indirect potable reuse; Surface water from Lake Istokpoga, and Surface Water from Lake Okeechobee.

Recommendations were to:

1. 11 water resource recommendations;
2. 3 water supply recommendations;
3. Categories of recommendations: Hydrologic research; criteria clarification; alternative development; and regulatory changes.

Information on proposed funding was provided.

A question and answer session was held. The Butler Chain of Lakes representative requested to be provided with all activities on updating of this plan. Improvements in the District's outreach efforts are ongoing and Ms. Percy asked for recommendations from stakeholders for further improvements. Discussion held on stormwater runoff and

how the plan will affect the area. This process really emphasizes other problems, but will not deal a lot with stormwater runoff.

3. Accomplishments from the Existing Plan, Chris Sweazy, KBWSP, Project Manager, SFWMD.

Mr. Sweazy presented information on the existing plan and asked for questions from the stakeholders as he went through the extensive presentation. A list of the following recommendations was reviewed with full disclosure on the following topics:

Recommendation 1.1 – Regional Reuse Plan:

- Develop a reuse plan;
- Conduct hydrologic investigations supporting recharge; and
- Conduct a reclaimed water injection pilot.

Recommendation 1.2 – Stormwater Reuse Plan:

- Evaluate regional stormwater systems for availability for reuse and irrigation;
- Artificial Recharge Project; and
- Drainage Well Treatment Pilot.

Recommendation 2.1 – Conservation Plan:

- Appoint dedicated District staff to direct conservation efforts; and
- Assist in individual conservation plan development.

Questions were asked on dedicated funding. The mobile irrigation labs 12 assessments proposed for 2004 in Osceola County were discussed and Ms. Pearcy provided information. The 12 proposed assessments are targeting residential type users. This is only a comparison study.

Recommendation 3.1 – Surface Water Availability:

- Estimate the availability of supply from the Kissimmee Upper Chain of Lakes and the Kissimmee River;
- Complete Minimum Flows and Levels for Upper Chain of Lakes and Kissimmee River; and
- Coordinate with St. Johns River Water Management District on the investigation of the St. Johns River.

Questions on the minimum flows and levels were asked and answered.

Recommendation 3.1 continued –Optimize Floridan Use:

- Determine with more certainty the availability of Floridan groundwater;

- Hydrologic studies of the Floridan aquifer; and
- Groundwater modeling.

Recommendation 4.1 – Okeechobee Pumping Plan:

- Develop operational plan for pumping water from Lake Okeechobee to the Indian Prairie Basin;
- Acquire the necessary agreements for operation;
- Design and develop operation protocol for pumps at structures S-82, S-83 and S-84; and
- Assist Seminole Tribe in addressing water quality issues.

The plan is not complete. Information on structure S-67 on Lake Istokpoga was provided and concerns were expressed on the timing of releases from the lake.

Recommendation 5.1 – Lake Istokpoga and Indian Prairie Management Plan:

- District should revise the operational plan for Lake Istokpoga and Indian Prairie Basin structures;
- Evaluate minimum operational flow and level requirements for the canals; and
- Complete minimum flows and levels work for Lake Istokpoga.

Recommendation 5.2 – Evaluation of Regional Storage:

- Lake Istokpoga Aquifer Storage Reserve; and
- North of Lake Okeechobee Reservoir.

General discussion on the Lake Istokpoga water plan; and the fact that there is not “currently short-listing of potential sites”; but it has progressed.

Recommendation 6.0 – Inter-district Coordination:

- Water supply planning coordination;
- East Central Florida water supply initiative;
- Memorandum of understanding;
- Modeling coordination on KB-ECF model; and
- Coordinated water shortage declarations for Orange County.

Recommendation 7.0 – Planning – Regulatory Consistency:

- Continue rulemaking efforts;
- Review Lake Istokpoga moratorium;
- Initiate resource protection rulemaking; and
- Complete sinkhole investigation.

In summary, there are 14 projects initiated; 39 wells constructed; 31 contracts/agreements initiated; \$3.4 million dollars budgeted; and 31.4 FTEs mobilized. Mr. Sweazy provided information on the partners in implementation of the plan. Partner contributions totaled more than \$460,000.

Questions on obtaining scientific data, peer review process, and gaining consensus on recommendations were asked and answered.

4. Proposed Process for Plan Update, by Michelle Percy, Director, Planning and Implementation Division, SFWMD. [No handout available.]

Ms. Percy provided information on the mandated procedures for updating the plan every five years. Ms. Percy reviewed information that had been provided by Mr. Sweazy. The schedule for the Plans' updates was given.

The Water Resources Advisory Commission (WRAC) serves as the overall forum and is sponsoring the workshops. There will be five public workshops in each region. Feedback will be provided by the WRAC to the SFWMD Governing Board members. Following all the workshops and presentation to the Governing Board, approval of the plan will be requested.

Information on upcoming workshops 2 through 5 was given on what exactly will be covered in each workshop.

A copy of Ms. Percy's presentation will be emailed to all stakeholders in attendance today.

At the end of Ms. Percy's presentation, Mr. Sweazy presented a one-page sheet showing the proposed progression of meetings from today's meeting to completion of the plan development in April of 2005. Mr. Sweazy stressed that the proposed meeting dates and topics were subject to change as the process moved forward.

Questions on demand projections were asked and answered. Information on the Lake Istokpoga and where it will fit in the *Proposed Update Process* was provided by Mr. Sweazy.

5. 2025 Water and Wastewater Projections, by David Gilpin-Hudson, Sr. Supv. Planner, SFWMD.

Mr. Gilpin-Hudson presented information on the projections and the procedures used by the District to obtain the information for water and wastewater in the Kissimmee Basin.

The population projection in the Kissimmee Basin is based on information from the 2000 census, overlay of 2000 utility boundaries and the population served. The projections were established per capita from this information.

An explanation on how the population projections were reached was explained by Mr. Gilpin-Hudson. The estimated population in the Kissimmee Basin Planning Area from 2000 to 2025 was estimated to grow from 450,303 to 770,370. Information on transient/tourist population was provided by the attendees.

The resulting projections for water demand were shown in the same area based on the population. An estimated 85% increase in total percent PWS change from 2000-2025 was predicted. Stakeholder input provided on obtaining population figures.

Overall water demand will increase for several categories, including public water supply, domestic self-supplied, commercial & industrial; and recreational self-supplied. The only expected decrease in demand is for agriculture. In Chapter 2, a stakeholder requested that an acknowledgement be included on the unpermitted water supplies in the agricultural area. An estimated 30% increase in overall use is expected. Discussion of the allocation methods using the Blaney-Criddle methodology was held. Allocations are based on a 1 in 10 drought and it not the important number – the number of gallons people are going to use is the important number.

Staff will further review the planning for water permits and report back to the Kissimmee Basin Water Supply Plan group.

Existing plan for 2020 through 2025 update projections were provided. Projections included data on all crops -- citrus farms, sod farms, nurseries, etc. Mr. Gilpin-Hudson asked for input from stakeholders.

Wastewater flow projections were reviewed for the year 2000 through 2025.

Items of concerns were listed as: Irrigated pasture acreage; Blaney-Criddle methodology estimation process (staff will do a presentation at a future meeting); and comparable on what is permitted.

6. Consolidated Support Document, by David Gilpin-Hudson, Sr. Supv. Planner, SFWMD.

Chapters 1 through 9 provided information particular subjects:

- Chapter 1 – Introduction
- Chapter 2 – Natural Systems
- Chapter 3 – Conservation and Water Source Options
- Chapter 4 – Water Supply Regulation
- Chapter 5 – Water Quality and Treatment
- Chapters 6-9 – Regional Chapters.

7. Draft Document, by Chris Sweazy, KBWSP Project Manager, SFWMD.

Chapter 1 was handed out to stakeholders. Mr. Sweazy provided information on the required elements for all regional water supply plans. Everyone is requested to review Chapter 1 and provide input to staff. The next meeting was proposed for Tuesday, January 20, 2004 at a location to be determined.

8. Public Comment - None.

9. Action Items – Ms. Pearcy listed the “Action Items” to be handled at the next meeting.

Mr. Thornton thanked everyone for attending and said he looked forward to their participation.

11. Adjournment at 12:45 p.m. by Mr. Thornton.

Paula Moree
District Deputy Clerk
